SUMMARIES OF MS4 PERMITS

NPDES MS4 Permit for Anne Arundel, MD

Date Issued: December 2, 1993
Date Expires: December 2, 1998

Management Program Highlights:

Nonpoint Source Program. Anne Arundel County has reorganized its nonpoint source responsibilities, creating a centralized nonpoint source pollution program. The County is in the process of developing a comprehensive Master Plan for new development and significant redevelopment. Under the new plan, the County's storm water management program will be integrated with nonpoint source planning programs such as wetlands, designated watersheds, agricultural pollution control, and land use management.

Road Maintenance. Anne Arundel will perform an assessment regarding the effects of road maintenance activities (street sweeping, litter control, deicing procedures, and the application of herbicides for vegetation control) on storm water discharges. The assessment will include an analysis of alternative practices for reducing pollutants associated with road maintenance activities, and effective practices will be incorporated into the management program.

Sensitive Areas Program. The Sensitive Areas Program requires various construction controls in areas such as steep slopes, natural channels, flood plains, habitat areas, and identified "critical areas." The Critical Areas program addresses land use management, water dependent facilities, shore erosion protection, forest and woodland protection, agricultural protection, mineral resources, natural parks, and habitat protection within the Chesapeake Bay Watershed.

Illicit Connections. The County's illicit connection detection and enforcement program will include procedures for public identification and reporting of illicit discharges, fines for continued noncompliance by illicit dischargers, and provisions for field screening data to be recorded on MDE's Part 1 field screening database.

Interagency Coordination. The County's storm water management plan review process involves many agencies. The Department of Public Works reviews plans for storm water management on capital projects. If a project is in a critical or growth management area, the Office of Planning and Zoning reviews storm water management plans to ensure they address water quality.

Geographic Information System (GIS). The permit provides that Anne Arundel will develop a schedule for implementation of a GIS in an effort to better maintain and analyze source identification data.

Flood Plain Management Ordinance. The County's flood plain management ordinance prohibits development within the 100-year flood plain in the County. The ordinance also provides open space and preserves natural features such as wetlands.

Landfills. Trash that enters landfills is inspected for toxins, hazardous materials, etc. under the trash inspection program. A County landfill erosion and sediment control program is being established for all County-owned landfills. Under this program, landfills will be visually inspected and monitored for up to 20 years after closure.

Educational Programs. In the Baysavers program (for the Chesapeake Bay), students participate in projects such as channel restoration. The Citizens Monitoring Program allows residents to participate in water quality sampling in targeted areas.

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Construction Activities. The County will continue its "responsible personnel" certification classes to educate construction site operators regarding erosion and sediment control requirements.

Watershed Protection Activities:

Chesapeake Bay Initiative. As part of the State's watershed-based approach to controlling pollutant loadings to the Chesapeake Bay, the County will coordinate its water quality restoration and protection efforts with other jurisdictions, as well as its standards for record keeping, databases, discharge characterization, and management programs.

Outfall Monitoring. Minimum sampling requirements include monitoring at least once per month. If extended dry weather periods occur, baseflow samples shall be taken at least once per month. Three discrete samples shall be taken for storm water flow at both outfall and in-stream monitoring stations. If no flow is observed at the outfall during periods of dry weather, samples will be taken at the in-stream monitoring stations only.

In-stream Monitoring. The County is required to use data from existing in-stream monitoring stations and, if possible, from the USGS monitoring stations to further refine pollutant load estimates.

Laboratory Results. Laboratory results of monitoring will be recorded on MDE's long-term monitoring database and submitted with annual reports.

Management Spreadsheet. Information regarding the County's storm water management program will be submitted on the latest version of MDE's storm water management spreadsheet in annual reports.

Program Assessments. The County will submit estimates of expected pollutant load reductions as a result of its proposed management programs.

Contact the Maryland Department of Environment, Water Management Administration at (410)631-3543.